

Numerical Interpretation of Cloud
Information From Meteorological Satellites, ⁷³
by Sh. A. Musaelian, A. Z. Chakirda,

16 pp.

RUSSIAN, per, Trudy Leningrad Glavnaya
Geofiz. Obser., No 166, 1964, pp 189-202.

FI00047467 ~ P100007066

AFCRL T-R-468

Sh. A. Musaelian

Sci - ~~Math Sci~~

Mar 67 *Ed*

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Some Problems of Numerical Interpretation of
Cloud Information From Artificial Earth
Satellites, by Sh. A. Musaelian. 15 pp.
RUSSIAN, per, Trudy Leningradskogo
Geofizicheskogo Observatoria, No 166,
1964, pp 203-213. P100160367
AFCHL T-R-469

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Space Tech
Jun 67

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327,283

Some Problems of Numerical Interpretation of
Cloud Information from Artificial Earth Satellites,
by Sh. A. Muskhelishvili,

FOR OFFICIAL USE ONLY

MISSION, per. Trudy Glavnaya Geofizicheskaya
Observatoriya, Leningrad, No 166, 1964, pp 203-215.

REF ID: A66666

APCRL T-R-469

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Sci-
Sept 66

509.1 192

Contents of Y-Aminobutyric Acid in Brain Tissue
During Convulsive Fits, by S. S. Musulyan,

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RUSSIAN, per, Harvarda Sistem, 1962, No 3, PP

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SEA TT-64-18750

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Sci - Chem
May 67

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Barrier Waves in the Atmosphere, by Sh.A. Muskhelvan.
RUSSIAN, bk, Volny Prepyatstvi v Atmosfere, 1962,
112 pp.

OTS TT 64-11096

IPST No 1034

Sci/Earth Sci & Astr.
May 65

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Mechanical Properties of Polymer Mixtures.

**II. The Mixing of Amorphous and Amorphous
and of Crystalline and Crystalline
Polymers, by G. L. Slonimskii, I. E.**

Musaklyan, V. V. Naumov, G. N.

Osipov.

**RUSSIAN, per. Trakhsenblatnyye Svedeniya,
Vol 6, 1964, pp 214-22.**

SLA TT-66-10732

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**Rel - Materials
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DESCRIPTION OF THE SPANISH SAHARA, BY MISAFIR, 5 PP.

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JPRS 22356

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DEC 63

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Description of Spanish Sahara, by Mansur, 3 pp.

SPANISH, par. Sahara, Vol I, No 33, 17 Nov 1963, pp 9, and
24 Nov 1963, p 1.

JPRS 22563

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246, 686

The Hydraulic Properties of Blast Furnace
Slags, by C. Massagnug.
CHIMIE, par, Forach. Angt. Mitt. CHH-
KONZERN, July 1938, pp 153-168.
DIST 6585

Sci/Materials
Jan 69

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C. Massagnug

No 56

(NI-3773)

Developing Party Leadership in District Government
Administration, by Musajid, 7 pp.

INDONESIAN, per, Kehidupan Partai, No 4, 1958,
pp 31-35.

JPRS 2782

FE - Indonesia

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118,844

Musajo, Luigi, Rodighiero, Giovanni, and
Caporale, Giuseppe.
PHOTODYNAMIC ACTIVITY OF NATURAL COU-
MARINS. [1962] 5p. 7 refs.
Order from SLA \$1.10

62-14941

Trans. of la Chimica e l'Industria (Italy) 1953,
v. 35 [no. 1] p. 13-15.

DESCRIPTORS: Drugs, *Photosensitivity, *Skin,
Pigments, Plants, Inflammation, *Coumarin deriva-
tives, Sunburn, *Ultraviolet radiation.

Natural coumarins possess photodynamic properties
with certain concomitant pathologic aspects. Experi-
menting with a series of natural coumarins, the
Authors succeeded in establishing that these proper-
ties are primarily due to three furocoumarins: pso-
ralene, xanthotoxin and bergaptene. Among these
substances, psoralene is the most active one. (Author)
(Biological Sciences--Pharmacology, TT, v. 8, no. 11)

62-14941

I. Musajo, L.
II. Rodighiero, G.
III. Caporale, G.

0222111

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(DC-5903/1)

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People in the 1961 Socialist Competition,
By Musakhan, Rom, Khurmankhan, Jamsa, 3 pp.

MONGOLIA, np, Ulaan, 27 Mar 1961, p 2.

JPRS 8792

FE - Mongolia

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The Synthesis of Labelled Carrier-free Iodine,
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RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 2,
1959, pp 483-485.

Cleaver-Hose Press Ltd.
London

Sci - Chem
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Calcination of Ultramarine Charges, by A. N. Agte,
P. I. Libina, A. D. Miller, A. P. Musakin,
5 pp.

Full translation.

RUSSIAN, per, Zhur Prikl Khim, Vol XXIV, No 12,
Dec 1951, pp 1317-1321.

Consultants Bureau

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Scientific - Chemistry, ultramarine

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Pattern of Radioactive Bromide and Calcium Uptake
in the Divisions of the Central Nervous System and
in Organs Following Injury to the Spinal Cord, by
G. G. Musalov, 7 pp.

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XLIV, No 9, 1958, pp 976-983.

Pergamon Inst

Epi - Med

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Dialkylaminoethyl and Dialkylscotamide Compounds
of 4-m Mercaptopyridine, by C. Musante, L. Fabrini.

ITALIAN, per, Gazz Chim Ital, Vol LXXXIV, p 584,
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Sci - Chem
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Party Teaching -- Essential Factor in the Marxist--
Leninist Education of Communists, by Vasile Musat,
16 pp.

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pp 28-42.

US JPRS DC-L-1343

IKur - Rumania
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Isomerization of Cyclohexene to Methylcyclopentenes⁴¹
in the Dehydration of Cyclohexanol Over Alumina
Oxide, by M. R. Musatev.
RUSSIAN, per, Dok Ak Nauk Azerb SSR, Vol 20, No 5,
1964, pp 11-14.
ATS RJ-5168

M. R. MUSATEV

Sci-Chem
July 69

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(NY-6502)

Cybernetics Knocks on the Doors of Factories and
Institutions of Higher Learning, by A. Masatkin,
4 pp.

RUSSIAN, np, Komsomol'skaya Pravda, 11 Jun 1960,
p 2.

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JPRS 9850

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Aug 61

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(DC-4441).

Cybernetics Is Knocking at the Doors of Factories and
Higher Educational Institutions, by A. Musatkin,

RUSSIAN, np, Komsomol'skaya Pravda, 11 Jun 1960, p2.

JPRS 6441

Sci - Engr

12 Sep 60

The Problem of the Tectonic Structure of the
Central Part of the Sayan-Altai Folder Region,
by D. I. Misatov, A. P. Tarkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 6,
1959, pp 1323-1325.

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Combined Refining of Pyrolyzed Oil Distillates
(With Zinc Chloride and Sulfuric Acid), by K. A.
Musatov.

RUSSIAN, per, Neft Khoz, Vol XXI, No 1, 1940,
pp 25-29.

OTS 61-18018

Sci
Mar 62

Vol VII, No 2

189,562

TT-62-14103

Musatov, K. A. and Krymova, L. G.
DESULFURIZATION OF OIL DISTILLATES WITH
ZINC HYDROXIDE. [1963] 5p 7refs
Order from OTS, SLA, or ETC \$1.10 TT-62-14103

Trans. of Vostochnaya Neft' (USSR) 1940, v. 2,
no. 7/8, p. 40-42.
Abstract trans. is available from OTS or SLA \$1.60
in TT-61-20356. [1961] 13p.

DESCRIPTORS: *Petroleum, Oils, Distillation,
*Desulfurization, *Zinc compounds, Hydroxides.

(Engineering--Chemical, TT, v. 11, no. 2)

I. Musatov, K. A.
II. Krymova, L. G.

Office of Technical Services

Vapor Phase Desulfurization With Sulfuric Acid,
by K. A. Musatov, S. S. Nifontova.

RUSSIAN, per, Neft Khim, Vol XXI, No 3, 1940,
pp 28-32.

OTS 61-16869

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61-16866

Musatov, K. A. and Krymova, L. G.
MECHANISM OF DESULFURIZATION OF OIL DIS-
TILLATES WITH ZINC CHLORIDE. [1961] 9p. 12 refs.
Order from OTS or SLA \$1.10 61-16866

I. Musatov, K. A.
II. Krymova, L. G.

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940,
v. 13, no. 2, p. 227-234.

DESCRIPTORS: Hydrocarbons, *Kerosene, Benzene,
*Sulfur compounds, Oils, *Desulfurization, Zinc
compounds, Chlorides.

When zinc chloride is deposited from its aqueous solu-
tions on a porous carrier, zinc oxide and zinc hydroxide
are formed by hydrolysis and deposited together with
the zinc chloride. In desulfurization with solid zinc
chloride, its oxygen compounds have a decisive effect
on the extent of desulfurization of the distillate and on
the combination of hydrogen sulfide. Taking this into
(Chemistry--Physical, TT, v. 6, no. 9) (over)

Office of Technical Services

Musatov, K. A. and Nifontova, S. S.
VAPOR PHASE OXIDATION OF SULFUROUS AND
AROMATIC DISTILLATES WITH SULFURIC ACID.
[1961] 6p. 9 refs.

Order from OTS or SLA \$1.10

61-16867

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940,
v. 13, no. 2, p. 235-243.

DESCRIPTORS: Benzine, Hydrocarbons, *Sulfur com-
pounds, Oxidation, Sulfuric acid.

In oxidation of oil distillates with sulfuric acid, carbon
and coke catalytically decompose the non-volatile ox-
idation products, liberating hydrogen sulfide. Olefins
and sulfur compounds are oxidized in the vapor phase
much more rapidly than the paraffins and aromatics of
similar boiling range. In the presence of olefins of
sulfur compounds in amounts of 5-10% and higher con-
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16867

I. Musatov, K. A.
II. Nifontova, S. S.

Office of Technical Services

Multistage Extraction and Its Application in
Desulfurization of Devonian Crude Oil, by
K. A. Musatov, 15 pp.

RUSSIAN, per, Trudy Instituta Nefti, Vol VI, 1955,
Encl to IR-1188-56, AFOIN-1A1. CIA D 418300

AF 717548

34, 214

Scientific - Fuels
May 56 GRS/dex

(Author)

Musatov, K. A. and Nifontova, S. S.
REFINING OF PETROLEUM GASES IN CONJUNCTION
WITH RECLAIMING ACID FROM ACID SLUDGE.
[1961] 7p. 6 refs. 61-16657
Order from OTS or SLA \$1.10

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1942, no. 5/6, p. 29-34.

DESCRIPTORS: *Petroleum, Processing, *Sulfuric acid, Decomposition, *Charcoal, Chemical reactions, *Acids, Hydrocarbons, Gases.

An investigation is reported showing that charcoal can be used for decomposition of sulfuric acid, yielding a dilute acid suitable for various industrial uses. This process can be employed for reclaiming acid from acid sludge obtained as a by-product of refining petroleum products. (Author)

(Engineering--Chemical, TT, v. 6, no. 7)

61-16657

I. Musatov, K. A.
II. Nifontova, S. S.

Office of Technical Services

Support of Tank Troops by Ground Attack Planes While
Breaking Through Enemy Defenses, by Major H. Misutov.
RESTRICTED

RUSSIAN, per: Vent Voz Flot, No 8, Aug 1947, Rpt
1A1-242-53.

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Military - Tank Troops, Air Force

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Methodological Skills for Detachment Commanders,
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RUSSIAN, per, Vest Voz Flot, No 6, 1959,
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Musatov, T. P. and Soroka, I. F.
UMBAU VON BLINDLEISTUNGSMASCHINEN FUER
REAKTORBETRIEB (Construction of Compensators
for Reactor Service). (text in German).
Order from TIB \$0.70

Trans. of Elektricheskii Stantsii (USSR) 1961,
[v. 32, no. 1] p. 86-87.

DESCRIPTORS: *Motors, *Reactors.

(Engineering--Electrical, TT, v. 9, no. 6)

62-27191

I. Musatov, T. P.
II. Soroka, I. F.
III. Technische Informations
bibliothek Hannover

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Musatov, V. A.
STRUCTURE OF THE CHITINOUS INTEGUMENT OF
(IXODID) TICKS (O Stroyeni Khitinovogo Pokrova
Kleshchey) tr. by M. Slade. [1960] [17]p. (foreign text
included). Trans. no. 4823.
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Trans. of [Zooveterinarnyy Institut]. Trudy (USSR)
1958, v. 22, no. 1, p. 230-237.

(Biological Sciences--Zoology, TT, v. 5, no. 3)

61-13956

- I. Ticks--Anatomy
- I. Musatov, V. A.
- II. CSIRO Trans-4823
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Organization (Australia)

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Concerning One Case of the Movement of a
Kelvin Free Wave, by V. V. Musatov, 3 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXI,
1957, pp 347-352.

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Investigation of the Process of Viscose
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Saponification of Cellulose Xanthate in
a Homogeneous Medium, by D. N. Arkhangelskiy,
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1964, pp 38-41.
SLA TT-66-10573

G. N. Musatova

Sci-144M
Jul 66

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Reflex Effects From Pleural Receptors on Arterial
and Venous Pressures, Respiration and Lymph Flow,
by L. P. Masatova, 3 pp.

RUSSIAN, per, Fiz Zhur SSSR in I. M. Sechenova,
Vol XLIV, No 11, 1958, pp 1107-1110.

Pergamon Inst

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Reactions of the Tetrachlorides of Tin, Germanium
and Titanium With Silicon-Copper Alloy, by D. A.
Kochkin, M. F. Shostekovskiy, L. V. Musatova,
3 pp.

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Relative Efficiencies of Silicon--Copper and Silicon-Nickel Alloys in the Direct Synthesis of Chlorovinylsilanes, by M.F. Shostakovsky, E.M. Savitsky, D.A. Kochkin, L.V. Masatova, 3 pp.

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Sci - Chem

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REGGIORI, A.

Investigation of Steels Used for Valves in Internal
Combustion Engines and Their Properties at
Elevated Temperatures.

LA METALLURGIA ITALIANA, vol 26, 1934, No 7, pp
475-498; No 8, pp 569-599, No 9, pp 675-689, and
No 10, pp 765-793; 16300 words.

Brutcher No 154, \$ - Out of print

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MUSATTI, I.
HUGONY, E.

Metallurgia Italiana, vol. 30, 3 figs, 2 tables, 800-
word abstract; 1938.

Influence of Speed of Tensile Testing upon the Mech-
anical Properties of Austenitic Steels.

Brutcher Trans., { Order No. 759, \$1.00

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Origination of Lenticular Clouds, by Sh. A.
Museyelyan, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 11,
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Experimental Use of the Electronic Computer
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Anomalies of Air Temperatures, by Sh. A.
Musayelgan, Ya. K. Khayfits.

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RUSSIAN, per, Met i Gid, No 2, 1958, pp 3-9.
CIA 632553

LC or SIA 59-12197

Sci - Geophys

Mar 59

81, 833

Total Tritium Cross Section for Neutrons with
Energies of 2.5 and 14 Mev, by L. N. Katesurov,
R. M. Masayelian, V. I. Popov, 3 pp.

RUSSIAN, per, Atomnaya Energiya, Supple No 5,
1957, pp 71-74. CIA 9033743

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Sci & Nuclear Phys
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Centres of Action in the Atmosphere, by Sh. A. Musaklyan, 5 pp.

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Sci - Geophysics
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Hydrodynamic Forecast of Mean Monthly Humidity
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of the Earth, by Sh. A. Musayelyan, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Goefiz,
No 3, 1962, pp 424-433.

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Three Dimensional Problem of Flow Over Irregular Surfaces of the Earth Considering the Sphericity of the Earth, by Sh. A. Musayelyan,

RUSSIAN, per, Dok Ak Nauk, Vol CIII, No 5, pp 815-818.

FDD X-4229

Sci - Geophysics

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On Perturbations Caused by an Isolated Obstacle
in the Field of a Horizontal Component of Velocity,
by Sh. A. Musayelyan, 4 pp.

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1960, pp 1407-1412.

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(DC-6224)

The Long-Range Prediction of Anomalies of
Vertical Velocities of Air Movement Over
the Northern Hemisphere, by Sh. A. Musayelyan,
L. I. Sedov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol I, 1961,
pp 72-75.

JPRS 8959

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The Influence of the Earth's Orography on Sea
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Musaev, E. A. and Galpern, G. D.
PLATINIZED CHARCOAL IN ANALYTICAL HYDRO-
AND DEHYDROGENATION OF HYDROCARBONS.
[1963] 5p (figs omitted) 11refs
Order from OTS, SLA or ETC \$1.10 TT-63-20803

Trans. of [Akade.miya Nauk SSSR. Otdelenie Tekhnich-
eskikh Nauk. Izvestiya] 1947, no. 7, p. 805-808.

DESCRIPTORS: *Activated carbon, *Platinum
catalysts, *Petroleum, Hydrocarbons, Chemical
analysis, *Cyclohexanes, *Dehydrogenation, *Benzenes,
*Hydrogenation.

(Chemistry--Analytical, TT, v. 11, no. 5)

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I. Musaev, E. A.
III. Galpern, G. D.

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The Effect of a Growth Stimulant of Petro-
leum Origin on the Growth and Development
of Chicks 30 to 60 Days Old,

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RUSSIAN, per, Dok Ak Nauk Azerbay SSR, Vol XX,
No 1, 1964, pp 69-73.

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Musayev, E. Yu.

Sci - B/N

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On the Chemical Composition of Cracked Gasolines
from Naphthenic Raw Material. Article 1. Combined
Method of Investigation of the Detailed Group Chemical
Composition of Cracked Gasoline. ^{by} A. V. Topchiev, I. A.
Musayev, Ye. Kh. Iskhakova, N. M. Sardanashvili. 7 pp.
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No 1, 1961, pp 94-102.

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Chemical Composition of Cracked Gasolines From Naphthene Grade. Communication 2, Investigation of Individual Hydrocarbon Composition of Cracked Gasolines From Surukhan Select Grade, by A. V. Zy Topchiyev, I. A. Masayev, 5 pp.

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A Combination Method for the Investigation of the Detailed Hydrocarbon Group, Composition of Cracked Gasolines, by A. V. Topchiyev, I. A. Musayev, E. Kh. Iskhakova, N. M. Sardanashvili, 4 pp.

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Unsaturated Hydrocarbons in a Thermally Cracked
Gasoline, by A. V. Topchyev, I. A. Musayev, Z. Kh.
Ishkhova, A. E. Kisilinskiy, G. D. Gal'pern, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5,
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A Study of the Composition of Nebit-Dag Crude,
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18 pp.

per,

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Report No IR-1121-55, 5 Oct 1955. CIA D 332109

AFDIN-1A1

AF 698016

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Scientific - Fuels,

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Feb 56 CTS/DEK

(DC-4400/15)

The Lenin National Policy in Action, by M.
Musayev, 13 pp.

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JPRS 8533

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**Effect of Stimulating the Mechanoreceptors of the
Stomach on the Hemopoietic Property of Gastric
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8 pp.

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INTERVIEW WITH PROFESSOR G. C. NOISIL, BY
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ROMANIAN, NP, TRIBUNA, VOL VII, NO 47, 21 NOV 1963,
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L. Maschalek, 22 p.
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SLA TT 66-10678

L. Maschalek

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Guanethidine, a Post-Ganglionic Sympathetic
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v 88, No 8 10, pp 485-490.
SLA TF 64-16858

E. Muscholl

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Hydrogenation Catalysts Based on Aluminosilicates,
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Hydrogenation Catalysts Based on Aluminosilicates
by A. V. Lozovoi, D. L. Muselevich, T. M.
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